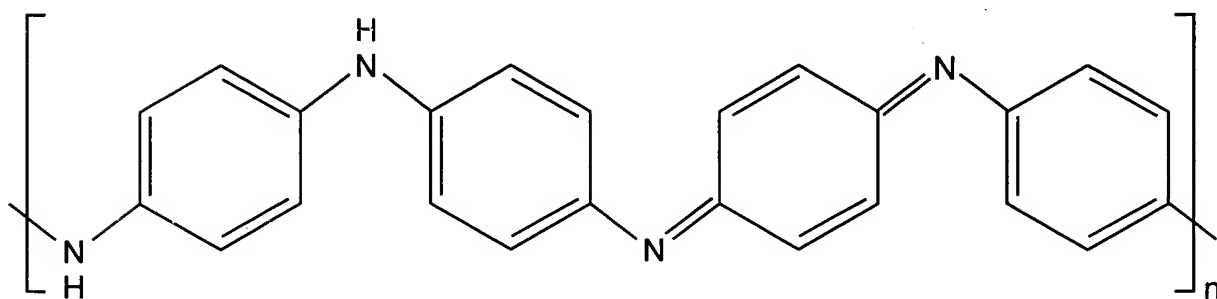


DOPED POLYANILINE EMERALDINE SALT ($\sigma = 10 \text{ S/cm}$)

FIG. 1A



DEDOPED POLYANILINE EMERALDINE BASE ($\sigma = 1 \times 10^{-10} \text{ S/cm}$)

FIG. 1B